

CLAIMS

What is claimed is:

1. A method for dynamic allocation of slot bandwidth on an exchange, comprising following steps:

(1) setting the number of slots for dynamic bandwidth allocation being N , and setting bandwidth need to be dynamically allocated being B ;

(2) defining a minimum allocated bandwidth unit being ΔB , according to requirement;

(3) setting $B/\Delta B$ pieces of N -selected-one devices, and input bandwidth of every N -selected-one device being $N*\Delta B$;

(4) connecting each slot with one input of each N -selected-one device, and connecting all output of the N -selected-one devices with a main exchange model;

(5) controlling the N -selected-one devices being gated to allocate the bandwidth to gated slot.

2. The method according to Claim 1, wherein step 5 further comprising, controlling the N -selected-one devices being gated by a programmable logic chip.

3. The method according to Claim 1, wherein the programmable logic chip is an EPLD with type EPM7256AQC208-10.

4. The method according to Claim 1, wherein the *N*-selected-one device is a two-selected-one device.

5. The method according to Claim 4, wherein the two-selected-one device is a 1.25GHz Ethernet signal driver with type VSC7132YB.